

Title (en)
PROTECTIVE DEVICE

Title (de)
SCHUTZVORRICHTUNG

Title (fr)
DISPOSITIF DE PROTECTION

Publication
EP 2988313 B1 20200520 (EN)

Application
EP 14785919 A 20140417

Priority
• JP 2013088684 A 20130419
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Abstract (en)
[origin: EP2988313A1] Provided is a surface-mountable protective device formed comprising a bimetal element and a PTC element. This protective device is characterized by comprising a resin base, a first terminal, a second terminal, a PTC element, a bimetal element, an arm, an upper plate and a resin cover, and in that a portion of the first terminal configures the first electrode, a portion of the second terminal configures a second electrode, the exposed surface of the first electrode and that of the second electrode are coplanar. Under normal conditions, the protective device is in a state in which the first terminal, the arm and the second terminal are electrically connected in series, and under abnormal conditions in which the bimetal element is actuated, the protective device assumes a state in which the first terminal and the arm are electrically disconnected, and meanwhile assumes a state in which the first terminal, the PTC element, the bimetal element, the arm and the second terminal are electrically connected in series in that order.

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CPC (source: EP US)
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Citation (opposition)
Opponent : Yasunori Yokota
• JP 2011134624 A 20110707 - II P I KK
• JP H09306316 A 19971128 - MATSUSHITA ELECTRIC IND CO LTD
• EP 2541576 A1 20130102 - KOMATSULITE MFG CO LTD [JP]
• JP 2006031956 A 20060202 - ALPS ELECTRIC CO LTD
• JP S62209381 A 19870914 - SUMITOMO SPEC METALS
• US 2014284754 A1 20140925 - YAMAMOTO HIROKI [JP]
• WO 2013058232 A1 20130425 - ROHM CO LTD [JP]

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